

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 9

Complete if Known	
Application Number	10/804,452
Filing Date	March 19, 2004
First Named Inventor	Russell Rapport, et al.
Art Unit	2841
Examiner Name	A.A.
Attorney Docket Number	254-094-PCT2/C1/AK 153715

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A.A.		US-6,919,626 B2	7/19/2005	Burns	
		US-6,914,324 B2	7/5/2005	Rapport, et al.	
		US-6,908,792 B2	6/21/2005	Bruce, et al.	
		US-6,884,653	4/26/2005	Larson	
		US-6,803,651	10/12/2004	Chiang	
		US-6,709,893	3/23/2004	Moden, et al.	
		US-6,699,730 B2	3/2/2004	Kim, et al.	
		US-6,690,584	2/10/2004	Uzuka, et al.	
		US-6,683,377	1/27/2004	Shim, et al.	
		US-6,614,664	9/2/2003	Lee	
		US-6,588,095	7/8/2003	Pan	
		US-6,576,992	6/10/2003	Cady, et al.	
		US-6,572,387 B2	6/3/2003	Burns, et al.	
		US-6,528,870 B2	3/4/2003	Fukatsu, et al.	
		US-6,509,639	1/21/2003	Lin	
A.A.		US-6,489,687 B1	12/3/2002	Hashimoto	
		US-6,489,178	12/3/2002	Coyle, et al.	
		US-6,444,490	9/3/2002	Bertin, et al.	
		US-6,426,560 B1	7/30/2002	Kawamura, et al.	
		US-6,329,708	12/11/2001	Komiyama	

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	/Andargie Aychillhum/	Date Considered	07/02/2007
-----------------------	-----------------------	--------------------	------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.87 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/804,452
		Filing Date	March 19, 2004
		First Named Inventor	Russell Rapport, et al.
		Art Unit	2841
		Examiner Name	A.A.
Sheet 2 of 9	Attorney Docket Number	254-094-PCT2/C1/AK 153715	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A.A.		US-6,316,825	11/13/2001	Park, et al.	
		US-6,310,392	10/30/2001	Burns	
		US-6,288,907 B1	9/11/2001	Burns	
		US-6,285,560	9/4/2001	Lyne	
		US-6,205,654 B1	3/27/2001	Burns	
		US-6,187,652 B1	2/13/2001	Chou, et al.	
		US-6,178,093 B1	1/23/2001	Bhatt, et al.	
		US-6,165,817	12/26/2000	Akram	
		US-6,157,541	12/5/2000	Hacke	
		US-6,084,294	7/4/2000	Tomita	
		US-6,084,293	7/4/2000	Ohuchi	
		US-6,002,167	12/14/1999	Halano, et al.	
		US-5,973,395	10/26/1999	Suzuki, et al.	
		US-5,963,427	10/5/1999	Bolleson	
		US-5,922,061	7/13/1999	Robinson	
		US-5,895,970	4/20/1999	Miyoshi, et al.	
		US-5,841,721	11/24/1998	Kwon, et al.	
A.A.		US-5,804,870	9/8/1998	Burns	
		US-5,801,439	9/1/1998	Fujisawa, et al.	
		US-5,789,815	8/4/1998	Tessier, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	/Andargie Aychillhum/	Date Considered	07/02/2007
--------------------	-----------------------	-----------------	------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
Application Number				10/804,452	
Filing Date				March 19, 2004	
First Named Inventor				Russell Rapport, et al.	
Art Unit				2841	
Examiner Name				A.A.	
Attorney Docket Number				254-094-PCT2/C1/AK 153715	
Sheet	3	of	9		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A-A		US-5,783,464	7/21/1998	Burns	
		US-5,764,497	6/9/1998	Mizumo, et al.	
		US-5,763,296	6/9/1998	Casati, et al.	
		US-5,729,894	3/24/1998	Rostoker, et al.	
		US-5,657,537	8/19/1997	Saia, et al.	
		US-5,646,446	7/8/1997	Nicewarner, Jr. et al.	
		US-5,588,205	12/31/1996	Roane	
		US-5,523,695	6/4/1996	Lin	
		US-5,502,333	3/26/1996	Bertin, et al.	
		US-5,477,082	12/19/1995	Buckley III, et al.	
		US-5,438,224	8/1/1995	Papageorge, et al.	
		US-5,394,303	2/28/1995	Yamaji	
		US-5,386,341	1/31/1995	Olson, et al.	
		US-5,361,228	11/1/1994	Adachi, et al.	
		US-5,357,478	10/18/1994	Kikuda, et al.	
	US-5,252,857	10/12/1993	Kane, et al.		
	US-5,252,855	10/12/1993	Ogawa, et al.		
	US-5,229,916	7/20/1993	Frankeny, et al.		
AA		US-5,214,307	5/25/1993	Davis	
		US-5,198,965	3/30/1993	Curtis, et al.	

[illegible]

Examiner Signature	Andarzie Mewonnen	Date Considered	07/02/2007
--------------------	-------------------	-----------------	------------

* **EXAMINER:** Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

4

of

9

Complete if Known

Application Number	10/804,452
Filing Date	March 19, 2004
First Named Inventor	Russell Rapport, et al.
Art Unit	283 284
Examiner Name	DA A.A.
Attorney Docket Number	254-094-PCT2/C1/AK 153715

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A.A.		US-5,168,926	12/8/1992	Watson, et al.	
		US-5,159,535	10/27/1992	Desai, et al.	
		US-5,138,434	8/11/1992	Wood, et al.	
		US-5,068,708	11/26/1991	Newman	
		US-5,057,903	10/15/1991	Ola	
		US-5,041,902	8/20/1991	McShane	
		US-4,712,129	12/8/1987	Orcutt	
		US-4,587,596	5/6/1986	Bunnell	
		US-4,437,235	8/21/1994	Burns	
		US-3,983,547	9/28/1976	Almasi	
A.A.		US-2004/0115866 A1	6/17/2004	Bang, et al.	
		US-2004/0099938 A1	5/27/2004	Kang, et al.	
		US-2004/0065963 A1	4/8/2004	Karnozos	
		US-2004/0000708 A1	1/1/2004	Rapport, et al.	
		US-2003/0109078 A1	6/12/2003	Takahashi, et al.	
		US-2003/0081392	5/1/2003	Cady, et al.	
		US-2003/0045025	3/6/2003	Coyle, et al.	
		US-2003/0016710	1/23/2003	Kamoto	
		US-2002/0076919	6/20/2002	Peters, et al.	
		US-2002/0048849	4/25/2002	Isaak	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner
Signature

/Andargie Aychillhum/

Date
Considered

07/02/2007

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/804,452
		Filing Date	March 19, 2004
		First Named Inventor	Russell Rapport, et al.
		Art Unit	2849 284
		Examiner Name	ABA A.A.
Sheet 5 of 9	Attorney Docket Number	254-094-PCT2/C1/AK 153715	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A.A.		US-2002/0030995	3/14/2002	Shoji	
		US-2001/0035572	11/1/2001	Isaak	
		US-2001/0015487	8/23/2001	Forthun	
		US-2001/0006252 A1	7/5/2001	Kim, et al.	
		US-6,891,729	5/10/2005	Ko, et al.	
		US-6,876,074 B2	4/5/2005	Kim	
		US-6,849,949	2/1/2005	Lyu, et al.	
		US-6,833,984 B1	12/21/2004	Belgacem	
		US-6,812,567	11/2/2004	Kim, et al.	
		US-6,781,240	8/24/2004	Choi, et al.	
		US-6,768,660	7/27/2004	Kong, et al.	
		US-6,657,134	12/2/2003	Spielberger, et al.	
		US-6,452,826	9/17/2002	Kim, et al.	
		US-6,449,159	9/10/2002	Haba	
		US-6,313,998	11/6/2001	Kledzik	
		US-6,303,981	10/16/2001	Moden	
		US-6,282,895 B1	7/17/2001	Forthun	
		US-6,028,352	2/22/2000	Eide	
		US-5,925,934	7/20/1999	Lim	
A.A.		US-5,835,988	11/10/1998	Ishii	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	/Andargie Aychillhum/	Date Considered	07/02/2007
--------------------	-----------------------	-----------------	------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO			Completely Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	10/804,452	
			Filing Date	March 19, 2004	
			First Named Inventor	Russell Rapport, et al.	
			Art Unit	2841	
			Examiner Name	A.A.	
Sheet	6	of	9	Attorney Docket Number	254-094-PCT2/C1/AK 153715

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A.A.		US-5,778,522 A	7/14/1998	Burns	
		US-5,744,827	4/28/1998	Jeong, et al.	
		US-5,677,569	10/14/1997	Choi, et al.	
		US-5,243,133	9/7/1993	Engle, et al.	
		US-5,240,588	8/3/1993	Uchida	
		US-5,219,794	6/15/1993	Satoh, et al.	
		US-5,158,912	10/27/1992	Kellerman, et al.	
		US-5,122,862	6/16/1992	Kajihara, et al.	
		US-5,081,067	11/4/1992	Shimru, et al.	
		US-5,064,762	11/12/1991	Nishiguchi	
		US-4,839,717	6/13/1989	Phy, et al.	
		US-4,758,875	7/19/1988	Fujisawa, et al.	
		US-4,722,691	2/2/1988	Gladd, et al.	
		US-4,079,511	3/21/1978	Grabbe	
		US-3,411,122	11/12/1968	Schiller, et al.	
		US-2005/0040508 A1	2/24/2005	Lee	
		US-2005/0035440 A1	2/17/2005	Mohammed	
		US-2004/0245617 A1	12/9/2004	Damberg, et al.	
		US-2004/0238931 A1	12/2/2004	Haba, et al.	
A.A.		US-2004/0217471 (A1)	11/4/2004	Haba	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	/Andargie Aychillhum/	Date Considered	07/02/2007
-----------------------	-----------------------	--------------------	------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	10/804,452
			Filing Date	March 19, 2004
			First Named Inventor	Russell Rapport, et al.
			Art Unit	286 2841
			Examiner Name	TA A-A
Sheet 7 of 9	Attorney Docket Number		254-094-PCT2/C1/AK 153715	

US PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A-A*		US-2004/0203190 A1	10/14/2004	Pflughaupt, et al.	
		US-2004/0104470 A1	6/3/2004	Bang, et al.	
		US-2004/0031972 A1	2/19/2004	Pflughaupt, et al.	
		US-2003/0107118 A1	6/12/2003	Pflughaupt, et al.	
		US-2001/0013423 A1	2/16/2001	Dalal, et al.	
		US-Re 36,916	10/17/2000	Moshayedi	
		US-6,707,684 B1	3/16/2004	Andric, et al.	
		US-6,492,718 B2	12/10/2002	Ohmori	
		US-6,392,162 B1	5/21/2002	Karabatsos	
		US-6,336,262	1/8/2002	Dalal, et al.	
	US-6,266,252 B1	7/24/2001	Karabatsos		
	US-6,234,820 B1	5/22/2001	Perino, et al.		
	US-6,233,650 B1	5/15/2001	Johnson, et al.		
	US-6,040,624	3/21/2000	Chambers, et al.		
	US-6,034,878	3/7/2000	Osaka, et al.		
	US-6,002,589	12/14/1999	Perino, et al.		
	US-5,995,370	11/30/1999	Nakamori		
	US-5,959,839	9/28/1999	Gates		
	US-5,953,215	9/14/1999	Karabatsos		
A-A.		US-5,899,705	5/4/1999	Akram	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	/Andargie Aychillhum/	Date Considered	07/02/2007
--------------------	-----------------------	-----------------	------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A/A ↑		US-5,751,553	5/12/1998	Clayton	
		US-5,654,877	8/5/1997	Burns	
		US-5,631,193	5/20/1997	Burns	
		US-5,594,275	1/14/1997	Kwon, et al.	
		US-5,523,619	6/4/1996	McAllister, et al.	
		US-5,397,916	3/14/1995	Normington	
		US-5,347,428	9/13/1994	Carson, et al.	
		US-5,289,062	2/22/1994	Wyland	
		US-5,276,418	1/4/1994	Klosowiak, et al.	
		US-5,262,927	11/16/1993	Chia, et al.	
		US-5,261,068	11/9/1993	Gaskins, et al.	
		US-5,198,888	3/30/1993	Sugano, et al.	
		US-5,104,820	4/14/1992	Go, deceased, et al.	
		US-5,034,350	7/23/1991	Marchisi	
		US-5,016,138	5/14/1991	Woodman	
	US-5,012,323	4/30/1991	Farnworth		
	US-4,985,703	1/15/1991	Kaneyama		
	US-4,821,007	4/11/1989	Fields, et al.		
A.A.		US-4,406,508	9/27/1983	Sadigh-Bezadi	
		US-3,766,439	10/16/1973	Isaacson	

[illegible]

Examiner Signature	/Andargie Aychillhum/	Date Considered	07/02/2007
-----------------------	-----------------------	--------------------	------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Examiner Signature	/Andargie Aychillhum/	Date Considered	07/02/2007
-----------------------	-----------------------	--------------------	------------

AUS:572656.1

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	3
-------	---	----	---

Complete if Known

Application Number	10/804,452
Filing Date	March 19, 2004
First Named Inventor	Russell Rapport, et al.
Art Unit	285 2841
Examiner Name	TBA A.A.
Attorney Docket Number	254-094-PCT2/C1/AK 153715

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^o
		Country Code ² -Number ⁴ -Kind Code ⁵ (if known)				
A-A-		WO 03/037053 A1	5/1/2003	Cady, et al.		
A-A-		JP 63-153849 (A)	6/27/1998	Matsubara		
A-A-		JP 4-209562 (A)	7/30/1992	Uzuka, et al.		
A-A-		JP 404368167 (A)	12/21/1992	Omura		
A-A-		JP 2003/347503 (A)	12/5/2003	Toshiyuki, et al.		
A-A-		JP 2003/347475 (A)	12/5/2003	Mitsuru		

**Examiner
Signature**

/Andargie Aychillhüm/

Date
Considered

~~07/02/2007~~

* **EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ² Applicant's unique citation designation number (optional). ³ See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitution for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete If Known	
				Application Number	10/804,452
				Filing Date	March 19, 2004
				First Named Inventor	Russell Rapport, et al.
				Art Unit	286 2841
				Examiner Name	TA A-A-
Sheet	2	of	3	Attorney Docket Number	254-094-PCT2/C1/AK 153715

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
A-A-		JP 2003/309247 (A)	10/31/2003	Mitsuru		
A-A-		JP 2000/307029 (A)	11/2/2000	Mitsuru		
A-A-		JP 5029534 (A)	2/5/1993	Nakamura		
A-A-		JP 3641047659 (A)	3/8/1986	Soga, et al.		
A-A-		JP 359088863 (A)	5/22/1984	Shiragasawa, et al.		
A-A-		EP 0426-303 (A2)	10/1/1990	Legg, et al.		

Examiner Signature	/Andargie Aychillhum/	Date Considered	07/02/2007
-----------------------	-----------------------	--------------------	------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ² Applicant's unique citation designation number (optional). ³ See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known Application Number 10/804,452 Filing Date March 19, 2004 First Named Inventor Russell Rapport, et al. Art Unit 286 284 Examiner Name EA AA Attorney Docket Number 254-094-PCT2/C1/AK 153715	
Sheet	3	of	3		

[illegible]

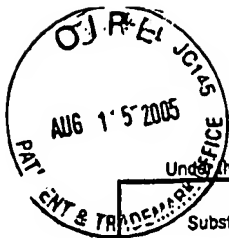
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
AA		DE 004215467 A1	11/12/1992	Chun		
AA		DE 004214102 A1	12/3/1992	Chun		

Examiner Signature	/Andargie Aychillhum/	Date Considered	07/02/2007
-----------------------	-----------------------	--------------------	------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2008. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known			
		Application Number	10/804,452		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	March 19, 2004		
		First Named Inventor	Russell Rapport, et al.		
		Art Unit	28 2841		
		Examiner Name	TD A.A.		
Sheet	1	of	1	Attorney Docket Number	254-094-PCT2/C1/AK 153715

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
A.A.		1992 Proceedings, 42nd Electronic Components & Technology Conference, May 18-20, 1992	
A.A.		Research Disclosure, Organic Card Device Carrier, 31318, May 1990, No. 313	
A.A.		IBM Technical Disclosure Bulletin, Vol. 23, No. 12, May 1981	
A.A.		IBM Technical Disclosure Bulletin, Vol. 20, No. 11A, Apr. 1978	
A.A.		IBM Technical Disclosure Bulletin, vol. 32, No. 3B, Aug. 1989	
A.A.		Orthogonal Chip Mount - A 3D Hybrid Wafer Scale Integration Technology, International Electron Device Meeting, IEDM Technical Digest, Washington, D.C., Dec. 6-9, 1987	

Examiner Signature	/Andargie Aychillhum/	Date Considered	07/02/2007
--------------------	-----------------------	-----------------	------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Form PTO-1449 (Modified)
(Rev. 11/92)

APR 26 2004

U.S. Dept. of Commerce
Patent and Trademark Office

ATTY. DOCKET NO.

SERIAL NO.

0254-094-PCT-2-C1

10/804,452

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Rapport, et al

FILING DATE

GROUP

3/19/04

2841

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

*Examiner Initial	Patent Number		Patentee	Class	Subclass	Filing Date (if appropriate)
A-A	5,428,190	6/27/1995	Stopperan	174/261		7/2/1993
↑	6,097,087	8/1/2000	Farnworth, Warren M. et al	257/698		10/31/1997
	6,323,060B1	11/27/2001	Isaak	438/109		5/5/1999
	6,351,029B1	2/26/2002	Isaak	257/688		5/19/2000
	6,368,896B2	4/9/2002	Farnworth, Warren M. et al	438/113		4/23/1999
	6,410,857B1	6/25/2002	Gonya	174/254		8/13/2001
	6,426,240B2	7/30/2002	Isaak	438/106		6/25/2001
	6,426,549B1	7/30/2002	Isaak, Harlan R.	257/686		11/3/2000
	6,444,921B1	9/3/2002	Wang, et al	174/260		2/3/2000
↓	6,465,877B1	10/15/2002	Farnworth, Warren M. et al	257/668		3/27/2000
A-A	6,514,793B2	2/4/2003	Isaak	438/109		2/4/2003

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
A-A	58-96756(A)	06/08/1983	Japan			Partial	
A-A	58-112348(A)	07/04/1983	Japan			Partial	
A-A	60-254762	12/1985	Japan			Partial	
A-A	EP 0 298 211 A#	01/11/1989	European			X	

OTHER DOCUMENTS

(INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	Dense-Pac Microsystems, Breaking Space Barriers, 3-D Technology 1993
	Dense-Pac Microsystems, DPS512X16A3, Ceramic 512K X 16 CMOS SRAM Module
	"Design Techniques for Ball Grid Arrays," William R. Newberry, Xynetix Design Systems, Inc.

EXAMINER

/Andargie Aychillhum/

DATE CONSIDERED

07/02/2007

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)
(Rev. 11/92)U.S. Dept. of Commerce
Patent and Trademark Office

ATTY. DOCKET NO.

SERIAL NO.

0254-094-PCT-2-C1

10/804,452

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Rapport, et al

FILING DATE

3/19/04

GROUP

2841

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

*Examiner Initial	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (if appropriate)
A-A	6,262,895 B1	7/17/2001	Forthum, John A.	361/749		1/13/2000
↑	5,239,198	8/24/1993	Lin et al.	257/693		7/2/1992
	6,028,365	2/22/2000	Akram et al.	257/778		3/30/1998
	6,433,418	8/13/2002	Fujisawa et al.	257/696		4/29/1999
	6,208,521 B1	3/27/2001	Nakatsuka, Yasuo	361/749		5/19/1998
	6,265,660 B1	7/24/2001	Tandy, Patrick W.	174/52.4		8/18/2000
	6,300,679 B1	10/9/2001	Mukerji et al.	257/738		6/1/1998
	6,462,412 B2	10/8/2002	Kamei et al	257/723		1/17/2001
	6,465,893 B1	10/15/2002	Khandros et al.	257/777		10/19/2000
	6,486,544 B1	11/26/2002	Hashimoto, Nobuaki	257/686		9/3/1999
	6,560,117 B2	5/6/2003	Moon, Ow Chee	361/749		8/30/2001
↓	6,590,282 B1	7/8/2003	Wang et al.	257/686		4/12/2002
A-A	6,600,222 B1	7/29/2003	Levardo, Melvin N.	257/686		7/17/2002

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No
62-230027(A)	10/08/1987	Japan			Partial	

OTHER DOCUMENTS

(INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

A-A	/	"Chip Scale Packaging and Redistribution," Paul A. Magill, Glenn A. Rinne, J. Daniel Mis, Wayne C. Machon, Joseph W. Baggs, Unitive Electronics Inc.
A-A ↓	/	"3D Interconnection for Ultra-Dense Multichip Modules," Christian VAL, Thomson-CSF DCS Computer Division, Thierry Lemoine, Thomson-CSF RCM Radar Countermeasures Division
	/	"High Density Memory Packaging Technology High Speed Imaging Applications," Dean Frew, Texas Instruments Incorporated
	/	Teresa Technologies, Inc. - Semiconductor Intellectual Property, Chip Scale Packaging - Website pages (3)

EXAMINER

/Andargie Aychillum/

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)
(Rev. 11/92)U.S. Dept. of Commerce
Patent and Trademark Office**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use several sheets if necessary)

(37 CFR 1.98(b))

ATTY. DOCKET NO.

SERIAL NO.

0254-094-PCT-2-C1

10/804,452

APPLICANT

Rapport, et al

FILING DATE

3/19/04

GROUP

2841

U.S. PATENT DOCUMENTS

*Examiner Initial	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (if appropriate)
A-A	6,473,308B2	10/29/2002	Forthun	361/749		04/19/2001
	US2002/0006032A1	01/17/2002	Karabatsos	361/760		01/11/2001
	US2002/0101261A1	08/01/2002	Karabatsos	326/83		01/29/2002
	3,654,394	04/04/1972	Gordon	179/15 BL		07/08/1969
	4,513,368	04/23/1985	Houseman	364/200		05/22/1981
	4,645,944	02/24/1987	Uya	307/243		09/04/1984
	4,733,461	03/29/1988	Nakano	29/830		12/24/1985
	4,862,249	08/29/1989	Carlson	357/80		04/17/1987
	4,891,789	01/02/1990	Quatrini, et al	365/63		03/03/1988
	5,261,068	11/09/1993	Gaskins, et al.	395/425		05/25/1990
	5,543,664	08/06/1996	Burns	257/787		01/20/1995
	5,566,051	10/15/1996	Burns	361/704		08/30/1994
	5,953,215	09/14/1999	Karabatsos	361/767		06/26/1998
	6,266,252B1	07/24/2001	Karabatsos	361/788		09/13/1999
	6,233,650B1	05/15/2001	Johnson et al.	711/5		04/01/1998
A-A	6,446,158B1	09/03/2002	Karabatsos	711/5		05/17/2000

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No

OTHER DOCUMENTS

(INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

A-A	/Tessera Introduces uZ™ - Ball Stacked Memory Package for Computing and Portable Electronic Products" Joyce Smaragdis, Tessera Public Relations; 2 figures that purport to be directed to the uZ™ - Ball Stacked Memory Package.
A-A	'Ron Bauer, Intel. "Stacked-CSP Delivers Flexibility, Reliability, and Space-Saving Capabilities", Spring 2002.
A-A	Tessera uZ Ball Stack Package. 4 figures that purport to be directed to the uZ - Ball Stacked Memory, 1 Page.
A-A	"Vertically-Integrated Package," Alvin Weinberg, Pacesetter, Inc. and W. Kinzy Jones, Florida International University

EXAMINER

/Andargie Aychillhum/

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)
(Rev. 11/92)U.S. Dept. of Commerce
Patent and Trademark Office**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use several sheets if necessary)

(37 CFR 1.98(b))

ATTY. DOCKET NO.

SERIAL NO.

0254-094-PCT-2-C1

10/804,452

APPLICANT

Rapport, et al

FILING DATE

3/19/04

GROUP

2841

U.S. PATENT DOCUMENTS

*Examiner Initial	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (if appropriate)
A-A	6,620,651B2	9/16/2003	He et al.	438/113		10/23/2001
↑	US2002/0139577A1	10/3/2002	Miller, Charles A.	174/261		3/27/2001
	US2002/0164838A1	Nov-02	Moon et al.	438/107		6/5/2001
	US2002/0180022A1	12/5/2002	Emoto, Yoshiaki	257/686		7/19/2002
	6,072,233	6/6/2000	Corisis et al.	257/686		5/4/1998
	3,436,604	04/01/1969	Hyltin	317/101		04/25/1966
	3,746,934	07/17/1973	Stein	317/101		05/06/1971
	3,772,776	11/20/1973	Weisenburger	29/628		12/03/1969
	4,288,841	09/08/1981	Gogal	361/414		09/20/1979
	4,696,525	09/29/1987	Coller, et al	439/69		12/13/1985
	4,823,234	04/18/1989	Konishi, et al	361/386		07/01/1986
	4,833,568	05/23/1989	Berhold	361/383		01/29/1988
	4,911,643	03/27/1990	Perry, et al	439/67		08/03/1989
	4,953,060	08/28/1990	Lauffer, et al	361/388		05/05/1989
	4,956,694	09/11/1990	Eide	357/74		11/04/1988
A.A.	4,983,533	01/08/1991	Go	437/7		10/28/1987

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS

(INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

A.A.	5	Dense-Pac Microsystems, 256 Megabyte CMOS DRAM DP3ED32MS72RW5
A.A.	✓	IBM Preliminary 168 Pin SDRAM Registered DIMM Functional Description & Timing Diagrams

EXAMINER

/Andargie Aychillhum/

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)
(Rev. 11/92)U.S. Dept. of Commerce
Patent and Trademark Office**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use several sheets if necessary)

(37 CFR 1.98(b))

ATTY. DOCKET NO.

SERIAL NO.

0254-094-PCT-2-C1

10/804,452

APPLICANT

Rapport, et al

FILING DATE

3/19/04

GROUP

2841

U.S. PATENT DOCUMENTS

*Examiner Initial	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (if appropriate)
A-A	5,041,015	08/20/1991	Travis	439/492		03/30/1990
	5,099,393	03/24/1992	Bentlage, et al	361/413		03/25/1991
	5,138,430	08/11/1992	Gow, 3 rd , et al	357/70		06/06/1991
	5,159,434	10/27/1992	Kohno, et al	357/80		02/01/1991
	5,222,014	06/22/1993	Lin	361/414		03/02/1992
	5,224,023	06/29/1993	Smith, et al.	361/412		02/10/1992
	5,241,454	08/31/1993	Amcen, et al	361/744		01/22/1992
	5,247,423	09/21/1993	Lin, et al	361/719		05/26/1992
	5,259,770	11/09/1993	Bates, et al	439/66		03/19/1992
	5,281,852	01/25/1994	Norrmington	257/685		12/10/1991
	5,313,097	05/17/1994	Haj-Ali-Ahmadi, et al	257/706		11/16/1992
	5,375,041	12/20/1994	McMahon	361/749		12/02/1992
	5,484,959	01/16/1996	Burns	174/524		12/11/1992
	5,572,065	11/05/1996	Burns	257/666		10/24/1994
	5,612,570	03/18/1997	Eide, et al	257/686		04/13/1995
	5,644,161	07/01/1997	Burns	257/668		06/07/1995
	5,776,797	07/07/1998	Nicewarner, Jr., et al	438/107		07/02/1997
A-A	5,801,437	09/01/1998	Burns	257/685		08/11/1995

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No

OTHER DOCUMENTS

(INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER

/Andargie Aychillhum/

DATE CONSIDERED

07/02/2007

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)
(Rev. 11/92)U.S. Dept. of Commerce
Patent and Trademark Office**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use several sheets if necessary)

(37 CFR 1.98(b))

ATTY. DOCKET NO.

SERIAL NO.

0254-094-PCT-2-C1

10/804,452

APPLICANT

Rapport, et al

FILING DATE

3/19/04

GROUP

2841

U.S. PATENT DOCUMENTS

*Examiner Initial	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (if appropriate)
A·A·	5,778,552	7/14/1998	LeGuin	33/559		5/8/1996
↑	5,805,422	09/08/1998	Otake, et al	361/749		08/15/1997
	5,869,353	02/09/1999	Levy, et al	438/109		11/17/1997
	5,926,369	07/20/1999	Ingraham, et al	361/699		01/22/1998
	5,949,657	09/07/1999	Karabatsos	361/803		08/25/1998
	6,014,316	01/11/2000	Eide	361/735		6/10/1998
	6,172,874B1	01/09/2001	Bartilson	361/719		04/06/1998
	6,208,521B1	3/27/2001	Nakatsuka	361/749		5/19/1998
	6,225,688B1	05/01/2001	Kim et al.	257/686		02/04/1999
↓	6,281,577B1	08/28/2001	Oppermann et al.	257/724		04/22/1997
A·A·	6,392,162B1	05/21/2002	Karabatsos	174/261		11/10/2000

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No

OTHER DOCUMENTS

(INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER	/Andargie Aychillhum/	DATE CONSIDERED	/Andargie Aychillhum/
----------	-----------------------	-----------------	-----------------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)
(Rev. 11/02)U.S. Dept. of Commerce
Patent and Trademark Office**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use several sheets if necessary)

(37 CFR 1.98(b))

ATTY. DOCKET NO.

254-094-PCT-2-C1

SERIAL NO.

10/804,452

APPLICANT

Russell Rapport, et al.

FILING DATE

March 19, 2004

GROUP

2841

U.S. PATENT DOCUMENTS

*Examiner Initial	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (if appropriate)
A.A.	US 5,117,282	05/26/1992	Salatino	357	81	10/29/1990
A.A.	US 5,448,511	09/05/1995	Paurus, et al.	365	52	06/01/1994
A.A.	US 5,642,055	06/24/1997	DiFrancesco	324	757	05/12/1995
A.A.	US 5,917,709	06/29/1999	Johnson, et al.	361	803	06/12/1997
A.A.	US 6,121,676	09/19/2000	Solberg	257	686	12/11/1997
A.A.	US 6,205,654 B1	03/27/2001	Burns	29	830	12/28/1998
A.A.	US 6,360,433 B1	03/26/2003	Ross	29	840	09/19/2000
A.A.	US 6,376,769 B1	04/23/2002	Chung	174	522	03/14/2000

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
A.A.	2003309246(A)	10/31/2003	Japan			Partial	
A.A.	2003086761(A)	3/20/2003	Japan			Partial	
A.A.	2003086760(A)	3/20/2003	Japan			Partial	
A.A.	2003037246(A)	2/7/2003	Japan			Partial	
A.A.	2001332683(A)	11/30/2001	Japan			Partial	
A.A.	2001085592(A)	3/30/2001	Japan			Partial	
A.A.	2001077294(A)	3/23/2001	Japan			Partial	

OTHER DOCUMENTS

(INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER

/Andargie Aychillhum/

DATE CONSIDERED

07/02/2007

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form FTD-1449 (Modified)
(Rev. 11-72)

U S Dept of Commerce
Patent and Trademark Office

ATTY. DOCKET NO.

SERIAL NO.

254-C94-PCT-2-C1

10/804,452

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT

Russell Rapport, et al.

FILING DATE

March 19, 2004

GROUP

~~2841~~ 2841

U.S. PATENT DOCUMENTS

*Examiner Initial	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (if appropriate)
A-A.	US 6,552,910 B1	04/22/2003	Moon, et al.	361	749	06/28/2000
A.A.	US 6,627,984 B2	09/30/2003	Bruce, et al.	257	686	07/24/2001
A.A.	US 6,660,561 B2	12/09/2003	Forthun	438	109	07/24/2002
A.A.	US 6,677,670 B2	01/13/2004	Kondo	257	686	04/25/2001
A.A.	2004/0150107 A1	08/05/2004	Cha, et al.	257	738	12/29/2003
A.A.	2004/0021211 A1	02/05/2004	Damberg	257	282	09/06/2002
A.A.	2003/0168725 A1	09/11/2003	Warner et al.	257	686	10/28/2002
A.A.	2001/0040793 A1	10/15/2001	Inaba	361	749	01/31/2001

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						Translation	
Document Number	Date	Country	Class	Subclass	Yes	No	

OTHER DOCUMENTS

(INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

The graph shows a linear relationship between Time (hours) and Distance (miles). The line starts at the origin (0,0) and passes through the point (4, 100). This indicates a constant speed of 25 miles per hour.

EXAMINER

/Andargie Aychillhum/

DATE CONSIDERED

07/02/2007

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 21260-021001	Application No. 10/804,452
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Rapport, et al.	
		Filing Date March 19, 2004	Group Art Unit 2841
(37 CFR §1.98(b))			

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Document Date	Patentee		Subclass	File Nos.
A.A. ↑		3,806,767	04/00/1974	Lehrfeld			
		4,381,421	04/26/1983	Coats et al			
		4,420,794	12/13/1983	Anderson			
		4,884,237	11/28/1989	Mueller et al			
		4,903,169	02/20/1990	Kitagawa et al			
		5,050,039	09/17/1991	Edfors			
		5,229,641	07/20/1993	Katayama			
		5,289,346	02/22/1994	Carey et al			
		5,337,388	08/09/1994	Jacobowitz et al			
		5,343,366	08/30/1994	Cipolla et al			
		5,345,205	09/06/1994	Kornrumpf			
		5,347,159	09/13/1994	Khandros et al			
		5,362,656	11/08/1994	McMahon			
		5,384,690	01/24/1995	Davis et al			
		5,396,573	03/07/1995	Ecker et al			
		5,432,630	07/11/1995	Lebby et al			
		5,509,197	04/23/1996	Stone			
		5,516,989	05/14/1996	Uedo et al			
		5,610,833	03/11/1997	Chang et al			
		5,620,782	04/15/1997	Davis et al			
		5,644,839	07/08/1997	Stone			
		5,717,556	02/10/1998	Yanagida			
		5,852,326	12/22/1998	Khandros et al			
		5,895,969	04/20/1999	Masuda et al			
		5,933,712	08/30/1999	Bernhardt et al			
		5,963,427	10/05/1999	Bollesen			
		6,013,948	01/11/2000	Akram et al			

Examiner Signature /Andargie Aychillhum/	Date Considered 07/02/2007
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1448 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 21260-021001	Application No. 10/804,452
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Rapport, et al.	
		Filing Date March 19, 2004	Group Art Unit 2841

(37 CFR §1.98(b))

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Document Date	Patentee		Subclass	File Nos.
A.A. ↑		6,084,778	07/04/2000	Malhi			
		6,102,710	08/15/2000	Beilin et al			
		6,111,761	08/29/2000	Peana et al			
		6,114,763	09/05/2000	Smith			
		6,130,477	10/10/2000	Chen et al			
		6,166,43	12/23/2000	Inaba et al			
		6,186,106	02/13/2001	Glovatsky			
		6,218,731	04/17/2001	Huang et al			
		6,234,820	05/22/2001	Perino et al			
		6,236,565	05/22/2001	Gordon			
		6,265,766	07/24/2001	Moden			
		6,271,058	08/07/2001	Yoshida			
		6,272,741	08/14/2001	Kennedy et al			
		6,320,137	11/20/2001	Bonser et al			
		6,360,935	03/26/2002	Flake			
		6,384,339	05/07/2002	Neuman			
		6,414,384	07/02/2002	Lo et al			
		6,423,622	07/23/2002	Chen et al			
		6,437,990	08/20/2002	Degani et al			
		6,447,321	09/10/2002	Perino et al			
		6,462,408	10/08/2002	Wehrly Jr			
		6,462,423	10/08/2002	Akram et al			
		6,487,078	11/26/2002	Kledzik et al			
		6,500,697	12/31/2002	Ahmad			
		6,504,104	01/07/2003	Hacke et al			
		6,522,018	02/18/2003	Tay et al			
		6,532,162	03/11/2003	Schoenborn			

Examiner Signature /Andargie Aychillhum/	Date Considered 07/02/2007
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 21260-021001	Application No. 10/804,452
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Rapport, et al.	
		Filing Date March 19, 2004	Group Art Unit 2841
(37 CFR §1.98(b))			

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Document Date	Patentee		Subclass	File Nos.
A-A		6,538,895	09/25/2003	Wörz et al			
↑		6,549,413	04/15/2003	Karnozos et al			
		6,559,521	05/06/2003	Tuttle			
		6,608,763	08/19/2003	Burns et al			
		6,617,510	09/09/2003	Schreiber et al			
		6,624,507	09/23/2003	Nguyen et al			
		6,646,333	11/11/2003	Hogerl			
		6,670,700	12/30/2003	Hashimoto			
		6,673,651	01/06/2004	Ohuchi et al			
		6,689,634	02/10/2004	Lyne			
		6,707,148	03/16/2004	Mostafazadeh et al			
		6,724,076	04/20/2004	Kahlisch et al			
		6,746,894	06/08/2004	Fee et al			
		6,762,495	07/13/2004	Reyes et al			
		6,762,769	07/13/2004	Moon et al			
		6,765,288	07/20/2004	Damberg			
		6,773,848	08/10/2004	Nortoft et al			
		6,776,797	08/17/2004	Blom			
		6,778,404	08/17/2004	Bolken et al			
		6,821,029	11/23/2004	Grung et al			
		6,841,855	01/11/2005	Jaack et al			
		6,867,496	03/15/2005	Hashimoto			
		6,869,825	03/22/2005	Chiu			
		6,879,047	04/12/2005	Heo			
		6,893,897	05/17/2005	Sweterlisch			
		6,908,792	06/21/2005	Bruce et al			
↓		6,965,166	11/15/2005	Hikita et al.			
A-A							

Examiner Signature /Andargie Aychillhum/	Date Considered 07/02/2007
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 21260-021001	Application No. 10/804,452
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR § 1.98(b))		Applicant Rapport, et al.	
		Filing Date March 19, 2004	Group Art Unit 2841

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
A.A.		PCT/US2006/017015, International Search Report and Written Opinion dated October 17, 2006
A.A.		PCT/US2005/013345, International Preliminary Report on Patentability dated November 2, 2006
A.A.		PCT/US2005/016764, International Preliminary Report on Patentability dated November 23, 2006
A.A.		PCT/US2005/010756, International Search Report and Written Opinion dated October 12, 2006
A.A.		PCT/US2005/010756, International Preliminary Report on Patentability dated April 12, 2007
A.A.		PCT/US2005/039307, International Search Report and Written Opinion dated September 26, 2006
A.A.		PCT/US2005/013336, International Preliminary Report on Patentability dated November 9, 2006
A.A.		Howard W. Markstein, Western Editor, Rigid-Flex: A Maturing Technology dated February 1996, Electronic Packaging & Production
A.A.		Design Requirements for Outlines of Solid State and Related Products, Ball Grid Array Package (BGA), September 2005, Jedec Publication 95
A.A.		William R. Newberry, Xynetix Design Systems, Inc., Design Techniques for Ball Grid Arrays, 1997 published on the Internet

Examiner Signature /Andargie Aychillhum/	Date Considered 07/02/2007
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	